

1. (Currently Amended) Apparatus comprising:

an electrode device, configured to be coupled to a site of a subject selected from the group consisting of: a vagus nerve, and an epicardial fat pad; and

a cardiac monitor, configured to detect a cardiac signal; and

a control unit, configured to:

drive the electrode device to apply a current to the site in respective pulse bursts in each of a plurality of cardiac cycles of the subject, and

configure the current to reduce heart rate variability of the subject below a baseline heart rate variability of the subject which corresponds to the subject's heart rate variability when the current is not applied, by initiating the applying of each burst after a delay of 30 to 200 milliseconds following an R-wave of the cardiac signal.

41. (Currently Amended) A method comprising:

identifying a subject as being appropriate for reduction of heart rate variability of the subject below a baseline heart rate variability of the subject which corresponds to the subject's heart rate variability when vagal stimulation is not applied;

applying a current to a site of a subject selected from the group consisting of: a vagus nerve, and an epicardial fat pad; and

~~configuring the current to reduce~~ in response to the identifying, treating a condition of the subject by reducing heart rate variability of the subject below a baseline heart rate variability of the subject which corresponds to the subject's heart rate variability when the current is not applied, by configuring the current.